

Applic. No. 10/613,198
Art Unit: 1762

AMENDMENTS TO THE CLAIMS:

Claims 1-12. (Canceled).

Claim 13. (Previously Presented) A continuous, in-line process for making an ink-jet recording medium, comprising the steps of:

- a) applying a radiation-curable coating to a surface of a substrate material,
- b) irradiating the radiation-curable coating to form a freshly irradiated coating that undergoes a curing process, and
- c) applying an ink-receptive coating over the freshly irradiated coating to form an ink-jet recording medium having a water vapor transmission rate of no greater than 12 grams/100 square inches/24 hours and a surface gloss less than 20.

Claim 14. (New) A continuous, in-line process for making an ink-jet recording medium, comprising the steps of:

- a) applying a radiation-curable coating to a surface of a substrate material,
- b) irradiating the radiation-curable coating with ultraviolet light to form a freshly irradiated coating that undergoes a curing process, and
- c) applying an ink-receptive coating over the freshly irradiated coating to form an ink-jet recording medium having a water vapor transmission rate of no greater than 12 grams/100 square inches/24 hours and a surface gloss of at least 70.

Claim 15. (New) A continuous, in-line process for making an ink-jet recording medium, comprising the steps of:

- a) applying a radiation-curable coating to a surface of a substrate material,
- b) irradiating the radiation-curable coating to form a freshly irradiated coating that undergoes a curing process,
- c) treating the irradiated coating with a corona discharge, and
- d) applying an ink-receptive coating over the freshly irradiated coating to form an ink-jet recording medium having a water vapor transmission rate of no greater than 12 grams/100 square inches/24 hours and a surface gloss of at least 70.

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Claim 16. (New) A continuous, in-line process for making an ink-jet recording medium, comprising the steps of:

- a) applying a radiation-curable coating to a surface of a substrate material,
- b) irradiating the radiation-curable coating to form a freshly irradiated coating that undergoes a curing process,
- c) applying a coating comprising adhesion promoters over the freshly irradiated coating and
- d) applying an ink-receptive coating over the coating comprising adhesion promoters to form an ink-jet recording medium having a water vapor transmission rate of no greater than 12 grams/100 square inches/24 hours and a surface gloss of at least 70.

Claim 17. (New) A continuous, in-line process for making an ink-jet recording medium, comprising the steps of:

- a) applying a radiation-curable coating to a surface of a substrate material,
wherein the radiation-curable coating comprises a radiation-curable oligomer and photoinitiator,
- b) irradiating the radiation-curable coating to form a freshly irradiated coating that undergoes a curing process, and
- c) applying an ink-receptive coating over the freshly irradiated coating to form an ink-jet recording medium having a water vapor transmission rate of no greater than 12 grams/100 square inches/24 hours and a surface gloss of at least 70.

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Claim 18. (New) A continuous, in-line process for making an ink-jet recording medium, comprising the steps of:

- a) applying a radiation-curable coating to a surface of a substrate material,
- b) irradiating the radiation-curable coating to form a freshly irradiated coating that undergoes a curing process, and
- c) applying an ink-receptive coating over the freshly irradiated coating to form an ink-jet recording medium having a water vapor transmission rate of no greater than 12 grams/100 square inches/24 hours and a surface gloss of at least 70, and further wherein the ink-receptive coating comprises at least about 40% by weight water-soluble binder resin based on dry weight of the ink-receptive layer.

Claim 19. (New) The process of claim 18, wherein the water-soluble binder resin is selected from the group consisting of polyvinyl alcohols; poly(vinyl pyrrolidone); poly(2-ethyl-2-oxazoline); methylcellulose; poly(ethylene oxide); and copolymers and mixtures thereof.

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